[0032] FIG. **22** is a diagram illustrating bookmark display control in Display Control Example 3 according to the second embodiment;
[0033] FIG. **23** is a diagram illustrating page flipping display control in Display Control Example 3 according to the second embodiment;
[0034] FIG. **24** is a diagram illustrating display control according to a held state in Display Control Example 4 according to the second embodiment;
[0035] FIG. **25** is a diagram illustrating display inversion control in Display Control Example 5 according to the second embodiment;
[0036] FIG. **26** is a diagram illustrating a rolled-up state according to a third embodiment;
[0037] FIG. **27** is a diagram illustrating the amount of curve detected from each curvature sensor an information processing device according to the third embodiment;
[0038] FIG. **28** is a diagram illustrating dispersion of the amount of curve detected from each curvature sensor in the information processing device according to the third embodiment;
[0039] FIG. **29** is a flowchart showing an example of an operation process according to the third embodiment;
[0040] FIG. **30** is a diagram illustrating a function executed by a control unit **115** according to the third embodiment in response to an input of a roll-up operation;
[0041] FIG. **31** is a diagram illustrating that the control unit **115** according to the third embodiment turns off a touch operation detection function according to a roiled-up state;
[0042] FIG. **32** is a diagram illustrating another example of display control according to an embodiment of the present disclosure; and
[0043] FIG. **33** is a diagram illustrating another example of display control according to an embodiment of the present disclosure.

DETAILED DESCRIPTION OF THE EMBODIMENT(S)

[0044] Hereinafter, preferred embodiments of the present disclosure will be described in detail with reference to the appended drawings. Note that, in this specification and the appended drawings, structural elements that have substantially the same function and structure are denoted with the same reference numerals, and repeated explanation of these structural elements is omitted.
[0045] Note that the description will be made in the following order.
[0046] 1. Summary of Information Processing Device according to the Present Disclosure
[0047] 2. Each Embodiment
[0048] 2-1. First Embodiment
[0049] 2-2. Second Embodiment
[0050] 2-3. Third Embodiment
[0051] 3. Conclusion

1. Summary of Information Processing Device according to the Present Disclosure

[0052] First, a summary of an information processing device according to the present disclosure will be described with reference to FIG. **1**. FIG. **1** is an external view of an information processing device **10** according to the present disclosure. As shown in FIG. **1**, the information processing device **10** according to the present disclosure is a flexible device made of soft materials, and is partially or entirely flexible. Consequently, a user can curve, locally fold, or roll up the entire information processing device **100**. Note that in FIG. **1**, the information processing device **10** is curved from right and left sides thereof as an example.
[0053] The information processing device **10** according to the present disclosure has a built-in curvature sensor (curve sensor) **20**. The curvature sensor **20** has a structure in which curvature sensors **20***a* and **20***b* that can detect curve (deflection) in a single direction are attached. With the curvature sensor **20**, curvature (the amount of curve) in the range of −R to R can be detected. Hereinafter, the configuration of the information processing device according to the present disclosure will be described with reference to the drawings.

1-1. Hardware Configuration

[0054] FIG. **2** is a diagram showing an exemplary hardware configuration of the information processing device **10** according to the present disclosure. As shown in FIG. **1**, the information processing device **10** includes RAM (Random Access Memory) **11**, nonvolatile memory **13**, a flexible display **15**, a CPU (Central Processing Unit) **17**, a communication unit **19**, and the curvature sensor **20**. The CPU **17**, the RAM **11**, the nonvolatile memory **13**, and the communication unit **19** may be formed of flexible materials and built in the information processing device **10** or be built in a rigid body unit (not shown) of the information processing device **10**.
[0055] The CPU **17** functions as an arithmetic processing unit and a control unit, and controls the entire operation of the information processing device **10** according to various programs. The CPU **17** may also be a microprocessor.
[0056] The RAM **11** temporarily stores programs used in the execution of the CPU **17**, parameters that change as appropriate during the execution, and the like. The nonvolatile memory **13** stores programs used by the CPU **17**, operation parameters, and the like.
[0057] The communication unit **19** is a communication device that transmits and receives information to/from other communication devices or servers. The communication unit **19** performs short-range/proximity wireless communication such as Wi-Fi or Bluetooth, for example.
[0058] The flexible display **15** is an entirely flexible display device (display screen) formed of a flexible material. The flexible display **15** is controlled by the CPU **17** and displays an image screen.
[0059] The curvature sensor **20** is a sensor that can detect curvature (the amount of curve) in the range of −R to R when the information processing device **10** (the flexible display **15**) is physically curved. In addition, the curvature sensor **20** outputs a resistance value as curvature, for example.
[0060] Further, the curvature sensor **20** according to the present disclosure is provided in a manner stacked on the flexible display **15** (the display screen). More specifically, one or more curvature sensors **20** may be provided on each side of the flexible display **15**. Hereinafter, the arrangement of the curvature sensors **20** will be described with reference to FIG. **3**.

Arrangement of the Curvature Sensors **20**

[0061] FIG. **3** is a diagram illustrating an exemplary arrangement of the curvature sensors **20** according to the present disclosure. As shown in FIG. **3**, a plurality of curvature sensors **20** are arranged along each side of the flexible